

Abdoul Jalil Djiberou Mahamadou

AI Research Scientist

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Experience

Postdoctoral Fellow Stanford Center for Biomedical Ethics – USA **June 2023 – Present**

Advisors: Dr. Russ Altman, Dr. Mildred Cho, and Dr. David Magnus

Investigating the ethical, legal, and societal implications of healthcare AI.

Postdoctoral Fellow Simon Fraser University – Canada **Aug. 2022 – May 2023**

Worked on health data analysis for precision cognitive aging interventions in older age.

Postdoctoral Fellow CNRS-LIMOS – France **May 2022 - July 2022**

Developed a new data stream anomaly and concept drift detection algorithm.

Machine Learning Researcher Prevision.io – France **Oct. 2021 - Feb. 2022**

Wrote technical data science articles about Prevision.io SaaS and contributed to the European AIDOaRT project.

Doctoral Researcher CNRS-LIMOS – France **Oct. 2018 - Oct 2021**

Developed, implemented, and published two unsupervised algorithms for qualitative data.

Education

2021 **Ph.D.** in Computer Science, Clermont Auvergne University, France.

Thesis: Development of Clustering Algorithms for Categorical Data with Applications in Health.

2018 **M.Sc.** in Computer Science (joint degree) Clermont Auvergne University, France.

2018 **M.Eng.** in Applied Mathematics and Modelling, Clermont Auvergne University, France.

2015 **B.Sc.** in Applied Mathematics and Applications, University of Fez, Morocco.

Teaching and Mentorship

Mentor at the Stanford Ernest Houston Johnson Scholars Program, Winter and Spring 2024

Foundation of Bioethics, Stanford University, Winter 2024, 20 hours

Research Ethics Conduct, Stanford University, Fall 2023, 7 hours

Introduction to Machine Learning, African Development University, Summer 2022, 30 hours

Relational Databases, Clermont Auvergne University, Spring 2020, 36 hours

Statistics and Probability, Clermont Auvergne University, Fall 2020, 36 hours

Information Systems, Clermont Auvergne University, Fall 2020, 30 hours

Databases and Web, Clermont Auvergne University, Fall 2020, 36 hours

Selected Publication

Anne Marthe Sophie Ngo, **Abdoul J. Mahamadou**, Michael F. Mbouopda, Engelbert MN.

(2022). DragStream: An anomaly and concept drift detector in data streams. International Conference on Data Mining IncrLearn Workshop.